

Current Status of All Claims in the Application:

1. (Currently Amended) A mover assembly that adjusts a position or shape of an object along a first axis, the mover assembly comprising:

a motor including a motor output that moves along the first axis and about the first axis in a step-like fashion; and

a coupling assembly including a stage that couples the motor output to the object and a stage guide that guides the motion of the stage along the first axis and inhibits motion of the stage about a second axis that is orthogonal to the first axis.

2. (Previously Presented) A mover assembly that adjusts a position or shape of an object along a first axis, the mover assembly comprising:

a motor including a motor output that moves; and

a coupling assembly including a stage that couples the motor output to the object and a stage guide that guides the motion of the stage along the first axis, wherein the motor output is moved along the first axis and about the first axis and wherein the stage guide is a linear bearing that allows for motion of the stage along the first axis and inhibits motion of the stage about the first, about a second and third axes, along the second axis and along the third axis.

3. (Canceled).

4. (Currently Amended) A mover assembly that adjusts a position or shape of an object along a first axis, the mover assembly comprising:

a motor including a motor output that moves and a pair of opposed jaw elements that engage the motor output, wherein the motor includes a piezoelectric element that causes rotation of the motor output by moving the jaw elements relative to each other; and

a coupling assembly including a stage that couples the motor output to the object and a stage guide that guides the motion of the stage along the first axis and inhibits motion of the stage about a second axis that is orthogonal to the first axis.

5. (Canceled).

6. (Original) The mover assembly of claim 1 further comprising a measurement system that provides information regarding the movement of the stage.

7. (Original) The mover assembly of claim 6 wherein the measurement system includes a first component that is secured to and moves with the stage.

8. (Original) A precision apparatus including an object and the mover assembly of claim 1.

9. (Previously Presented) A mover assembly that adjusts a position or shape of an object along a first axis, the mover assembly comprising:

a motor including a motor output that moves, wherein the motor output is moved along the first axis and about the first axis; and

a coupling assembly including a stage that moves with the motor output, a stage guide that guides the motion of the stage along the first axis and inhibits motion of the stage about the first axis, and a measurement system that provides information regarding the movement of the stage, wherein the stage guide is a linear bearing that allows for motion of the stage along the first axis and inhibits motion of the stage about the first, about a second and third axes, along the second axis and along the third axis.

10. (Canceled).

11. (Currently Amended) A mover assembly that adjusts a position or shape of an object along a first axis, the mover assembly comprising:

a motor including a motor output that moves along the first axis, wherein the motor output moves in a step-like fashion; and

a coupling assembly including a stage that moves with the motor output, a stage guide that guides the motion of the stage along the first axis and inhibits motion of the stage about the first axis, a resilient member that urges the stage against the motor output, and a measurement system that provides information regarding the movement of the stage.

12. (Currently Amended) A mover assembly that adjusts a position or shape of an object along a first axis, the mover assembly comprising:

a motor including a motor output that moves and a pair of opposed jaw elements that engage the motor output, wherein the motor includes a piezoelectric element that causes rotation of the motor output by moving the jaw elements relative to each other; and

a coupling assembly including a stage that moves with the motor output, a stage guide that guides the motion of the stage along the first axis and inhibits motion of the stage about the first axis, and a measurement system that provides information regarding the movement of the stage.

13. (Canceled).

14. (Original) The mover assembly of claim 9 wherein the measurement system includes a first component that is secured to and moves with the stage.

15. (Original) A precision apparatus including an object and the mover assembly of claim 9.

16. (Previously Presented) A method for moving or positioning an object, the method comprising the steps of:

providing a motor and a motor output that is moved by the motor along a first axis;

coupling the motor output to the object with a stage; and

guiding the motion of the stage along the first axis and inhibiting motion of the stage about a second axis that is orthogonal to the first axis with a stage guide.

17. (Previously Presented) The method of claim 16 wherein the step of guiding includes allowing for motion of the stage along the first axis and inhibiting motion of the stage about the first axis, about the second and a third axes, along the second axis and along the third axis.

18. (Original) The method of claim 16 further comprising the step of providing information regarding the movement of the stage with a measurement system.

19. (Original) The method of claim 18 wherein the step of providing information includes the step of coupling a first component of the measurement system to the stage so that the first component moves with the stage.

20. (New) The mover assembly of claim 1 wherein the coupling assembly further includes a resilient member that urges the stage against the motor output.

21. (New) The mover assembly of claim 20 wherein the motor output includes a bearing at one end that inhibits motion of the stage about the first axis, and wherein the resilient member urges the stage against the bearing.

22. (New) The mover assembly of claim 11 wherein the motor output moves about the first axis.

23. (New) The mover assembly of claim 11 wherein the motor output includes a bearing at one end that inhibits motion of the stage about the first axis, and wherein the resilient member urges the stage against the bearing.